caBIG

Enterprise Vocabulary Services (EVS) Demonstration of how EVS can be used via the caBIO API

NCICB Software Development Processes Facilitating Systems Interoperability

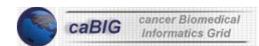
Sashi Thangaraj (SAIC)



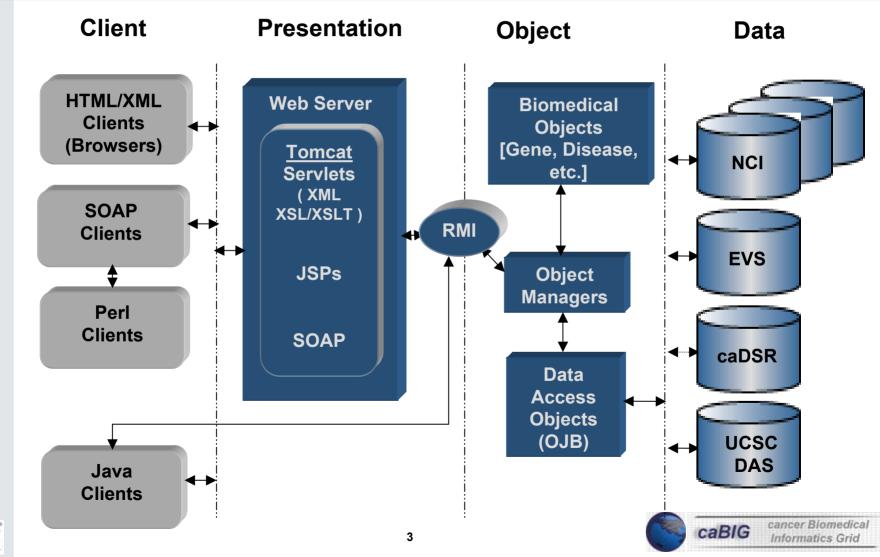
Agenda

- EVS and caBIO
 - caBIO Architecture and EVS
 - Using EVS via the caBIO API
- EVS Web Tree
 - EVS Web Tree Overview
 - Configuring EVS Web Tree
 - Using EVS Web Tree in Applications
- Q&A



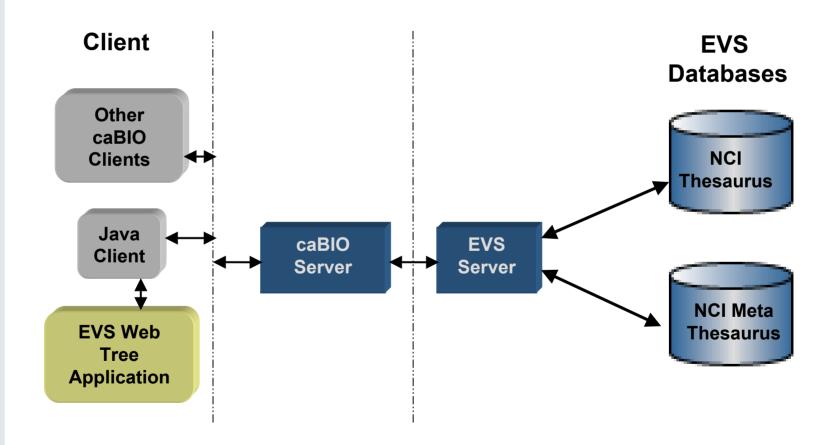


caBIO Architecture





EVS and caBIO







Using EVS via the caBIO API

Import caBIO packages and call the DescriptionLogicConcept or MetaThesaurusConcept to search/traverse through EVS data

```
Import gov.nih.nci.EVS.bean.*;
DescLogicConceptSearchCriteria dlcsc = new DescLogicConceptSearchCriteria();
    DescLogicConcept dlc = new DescLogicConcept();
       dlcsc.setLimit(100);
        dlcsc.setSearchTerm("Gen*");
        dlcsc.setVocabularyName("NCI Thesaurus");
        Concept[] conceptArray = dlc.search(dlcsc);
             for(int i=0; i<conceptArray.length; i++) {</pre>
                          System.out.println(conceptArray[i].getName());
```





Query Output

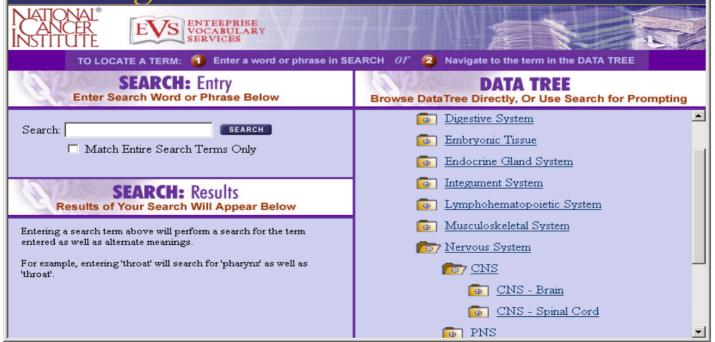
```
_ | _ | ×
C:\WINNT\system32\cmd.exe
Gender
Gender_Minority_Enrollment
Gender_Minority_Projection
Gene
Gene-Environment_Interaction
Gene-Modified
Gene-Vector_Complex
Gene_Abnormality
Gene_Amplification
Gene_Amplification_Technique
Gene_Amplification_or_Deletion_Detection
Gene_Bank
Gene_Cloning
Gene Combinations
Gene_Deletion
Gene_Duplication
Gene_Exchanges
Gene_Expression
Gene_Expression_Process
Gene_Family
Gene_Fusion
Gene_Knock-Out_Model
Gene_Knockout
Gene_Mapping
Gene_Mapping_Human
Gene_Mapping_Non-Human
Gene_Mutation
Gene_Product
Gene_Rearrangement
Gene_Regulation
Gene_Structure
Gene_Targeting
Gene_Therapy
Gene_Therapy_Agent
Gene_Therapy_and_Vector_Shared_Resource
Gene_Transduction_Agent
Gene_Transfer
Gene_with_Unknown_or_Unclassified_Function
General_Modifier
General Population
```



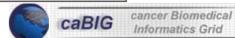


EVS Web Tree

- EVS Web Tree is a configurable web application leveraged by NCICB applications to allow users to search and select EVS terminology
- EVS Web Tree uses the caBIO API as its infrastructure







Searching a Node



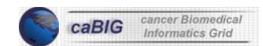




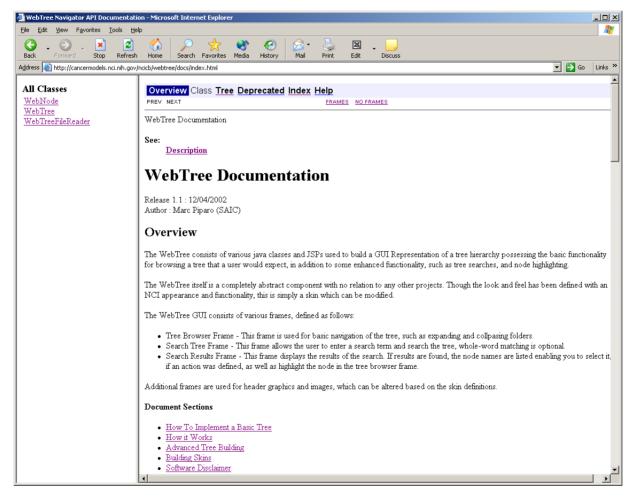
Configuring EVS Web Tree

- Download the EVS Web Tree application from the NCICB Download site:
 - o http://ncicb.nci.nih.gov/download/index.jsp(will be available in caCORE 3.0 release due Nov 2004)
- Configure
 - o the web container
 - o Skin to match the main web app.
- Utilize the EVS Web Tree API in applications

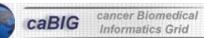


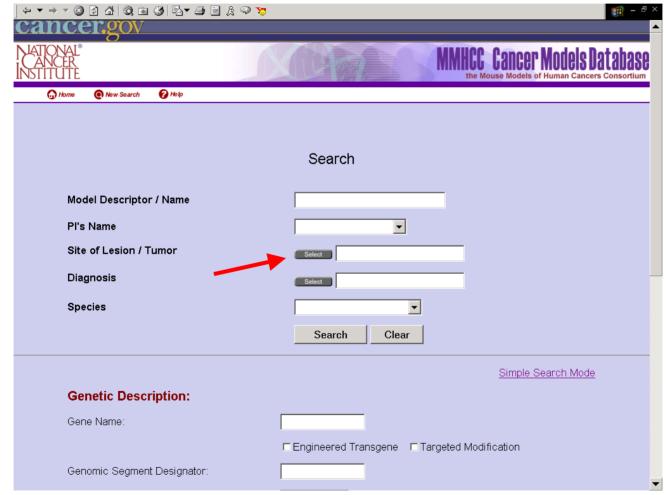


EVS Web Tree API



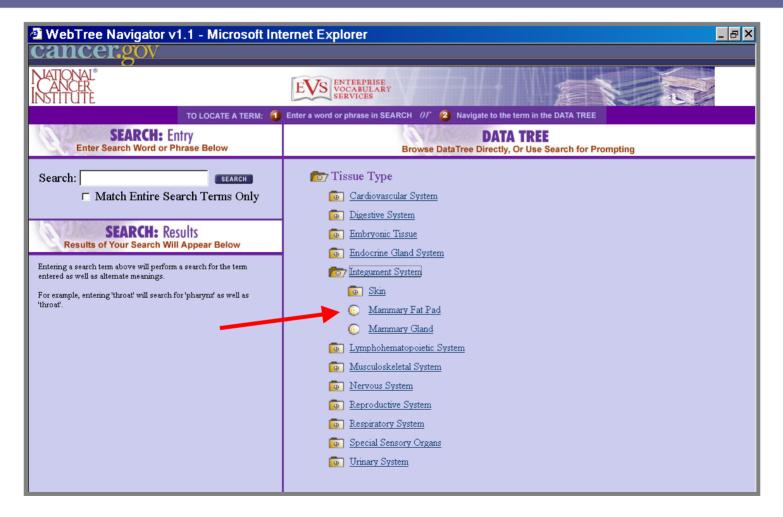






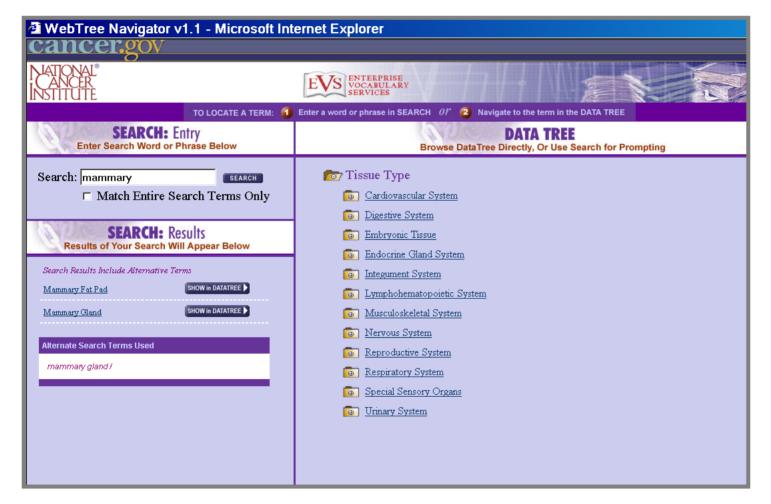






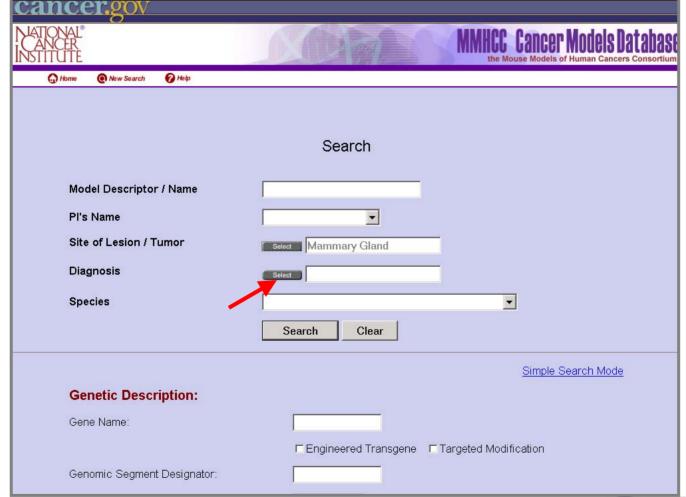




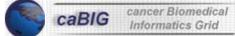


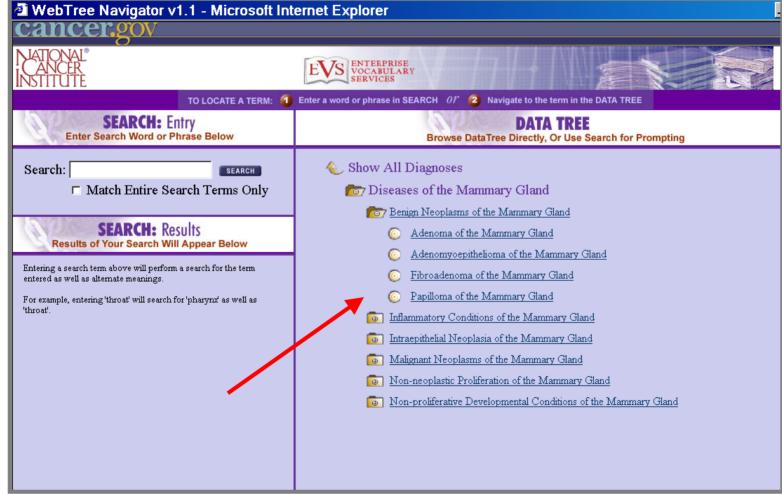




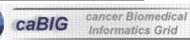


















Q & A

http://ncicb.nci.nih.gov/core/caBIO

